

AMISH THEKKE PARAMBIL

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PROFILE

Graduate student in Infocomm Security at NUS with three years of experience as a Software Development Engineer at Haltdos, where I engineered security products such as SSL VPNs, WAFs, and cloud monitoring systems. Skilled in designing reliable, high-performance infrastructures and automation workflows that improve scalability and threat mitigation. Actively pursuing full-time opportunities in security or infrastructure engineering, with the option to transition my NUS master's program to part-time.

CORE COMPETENCE

Programming Languages: Java | Python | Rust | Golang | Bash

Frameworks and Libraries: Spring Boot | Django | Docusaurus | Tauri | Electron | eBPF

DevOps & Tools: Linux | Kubernetes | Git | Grafana | VictoriaMetrics | Jenkins

Techniques & Security Skills: Attack mitigation | Intelligence aggregation | Infrastructure monitoring | Deployment automation

EDUCATION

National University of Singapore 08/2025 – Present
Master of Computing (Infocomm Security Specialisation)

Don Bosco Institute of Technology 08/2018 – 06/22 | Mumbai
Bachelor of Engineering in Information Technology
CGPA: 8.28

WORK EXPERIENCE

Haltdos

- Software Developer (L-3)* 04/2024 – 07/2025 | Noida, India
- **Account Manager** → Managed two key enterprise clients using SaaS WAF and Anti-DDoS products; provided technical support, product training, and solution guidance → **Ensured successful adoption across offerings, strengthened client relationships, and drove retention.**
 - **Solutions Architect** → Designed and delivered custom infrastructure solutions spanning on-premises, SaaS, and private cloud deployments; led onboarding and resolved complex integration issues → **Accelerated customer time-to-value and increased deployment success rates.**
 - **Remote Access Gateway (VPN) Development** → Designed and developed a secure Remote Access Gateway with fine-grained access policies and real-time monitoring; built a Rust-based client with authentication and endpoint validation → **Delivered a robust, secure, and scalable VPN solution enhancing enterprise security posture.**
 - **Secure Web Proxy** → Engineered a secure web proxy with dual deployment modes, SSL inspection, user management, and domain filtering → **Enhanced enterprise web traffic monitoring and improved threat mitigation, reducing malicious traffic exposure for clients.**
 - **Cloud WAF Monitoring Solution** → Built a monitoring system for distributed WAF nodes across multiple cloud providers using Grafana and VictoriaMetrics → **Provided real-time alerts and performance insights, reducing downtime and improving operational visibility.**

Software Developer (L-2)

04/2023 – 03/2024

- **RHEL Migration** → Migrated the entire Haltdos security product line to Red Hat Enterprise Linux (RHEL), ensuring compatibility with enterprise environments → **Improved product reliability and broadened adoption among enterprise clients.**
- **Haltdos Pro WAF Development** → Led development and delivery of Haltdos Pro WAF; designed an auto-upgrade system and implemented multi-platform support across architectures and operating systems → **Released the product on schedule with increased flexibility for diverse customer environments.**
- **Payment & Licensing System** → Designed and integrated an automated billing and license management system for Haltdos Pro WAF → **Enabled recurring monthly billing, streamlined license tracking and revenue collection.**
- **Build Automation** → Developed automation workflows for packaging and deploying security solutions across on-premises and SaaS infrastructures → **Accelerated release cycles and minimized manual deployment effort.**

Software Developer (L-1)

07/2022 – 03/2023

- **Documentation Migration** → Migrated Haltdos documentation from GitBook to Docusaurus (React), enabling local editing, versioned collaboration, and automated deployment → **Simplified documentation maintenance and reduced update effort.**
- **Installation Software Enhancement** → Redesigned and debugged product installation software for Debian based servers → Improved reliability and streamlined product deployment.
- **Threat Intelligence System** → Developed a system to aggregate intel of bad bots, malicious IPs, and TOR nodes → **Enhanced detection accuracy and automated blocking efficiency.**

AWARDS

Best Performer (Engineering) of the Year, Haltdos

09/2024

Recognized for architecting and deploying **advanced security solutions**, developing **automation frameworks** to optimize internal development workflows, engineering an enterprise-grade **SSL VPN** solution, and working closely with clients to ensure seamless integration and adoption of Haltdos security products.

Best Motivated Employee Award, Haltdos

09/2023

Acknowledged for driving key project initiatives, mentoring, and fostering a positive team environment.

Smart India Hackathon 2022 - Winner (GR918),

08/2022

Government of India

Won a 36-hour **national hackathon** by developing a **Django-based web app** for **hardware inventory management**. Designed the **system architecture**, implemented **multi-user support**, and integrated **REST APIs** with **AJAX** for dynamic, real-time functionality.

PROJECTS

Haltdos Remote Access Gateway, Enterprise grade SSL VPN Solution

Designed and implemented an enterprise-grade remote access solution enabling secure internal system connectivity without public exposure. Provided browser-based SSH, RDP, and VNC access, with centralized authentication, granular access control, and session auditing.

Tech stack: Spring Boot, Rust, C, Java

Cloud Infrastructure Automation & Monitoring

Designed and implemented a system that automates provisioning of cloud instances across multiple platforms and integrates them into a centralized monitoring stack, continuously collecting and visualizing metrics for real-time infrastructure visibility and alerting.

Tech stack: Python, Terraform, VictoriaMetrics, Grafana, Bash